

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
7 July 2005 (07.07.2005)

PCT

(10) International Publication Number  
**WO 2005/061737 A1**

(51) International Patent Classification<sup>7</sup>: **C12Q 1/70**

(21) International Application Number:  
PCT/IB2004/004022

(22) International Filing Date: 7 December 2004 (07.12.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
03293185.9 16 December 2003 (16.12.2003) EP

(71) Applicant (for all designated States except US):  
**BIO-RAD PASTEUR** [FR/FR]; 3, boulevard Raymond Poincaré, F-92430 Marnes la Coquette (FR).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **BIRON, Marie-Philippe** [FR/FR]; 53, rue du Château, F-92600 Asnières (FR).

(74) Agents: **COLOMBET, Alain** et al.; Cabinet Lavoix, 2, Place d'Estienne d'Orves, F-75441 Paris Cedex 09 (FR).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:  
— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: OLIGONUCLEOTIDES FOR THE DETECTION OF HEPATITIS B VIRUS

(57) Abstract: The invention relates to specific oligonucleotide primers and probes for rapid and sensitive detection of hepatitis B virus by amplification of the HBV nucleic acid, and to methods using the same. It is also concerned with kits useful to perform these detection tests.



**WO 2005/061737 A1**